

OCA PAD AMENDMENT - PROJECT HEADER INFORMATION

12/03/96

Active

Project #:	A-60-819	Cost share #:	A-60-111	Rev #:	3
Center #:	10/31-6-T5406-0A0	Center shr #:	10/51-1-J5406-0A0	OCA file #:	
Contract#:	DE-FG05-92ER79146	Mod #:	ADM. REVISION	Work type:	PUB SER
Prime #:				Document:	GRANT
				Contract entity:	GTRC
Subprojects ?:	N			CFDA:	81.049
Main project #:				PE #:	

Project unit: NUCL. RES. Unit code: 03.010.466
Project director(s): KARAM R A . NUCL. RES. (404)894-3620

Sponsor/division names: US DEPT OF ENERGY / DOE OAK RIDGE - TN
Sponsor/division codes: 141 / 017

Award period: 920930 to 950630 (performance) 950930 (reports)

Sponsor amount	New this change	Total to date
Contract value	0.00	51,514.00
Funded	0.00	51,514.00
Cost sharing amount		2,993.00

Does subcontracting plan apply?: N

Title: UNIVERSITY REACTOR INSTRUMENTATION PROGRAM

PROJECT ADMINISTRATION DATA

OCA contact: Jacquelyn L. Bendall 894-4820

Sponsor technical contact

Sponsor issuing office

LARRY L. BARKER, ST-511
(202)586-8947

MELISSA Y. JOHNSON, AD-422
(615)576-7599

U.S. DEPT. OF ENERGY
OFFICE OF UNIVERSITY & SCIENCE
EDUCATION
1000 INDEPENDENCE AVENUE, N.W.
WASHINGTON, D.C. 29585

U.S. DEPT. OF ENERGY
SPECIAL ACQUISITIONS BRANCH, P&C DIV.
DOE OAK RIDGE FIELD OFFICE
P.O. BOX 2001
OAK RIDGE, TN 37831-8757

Security class (U,C,S,TS) : U
Defense priority rating : N/A
Equipment title vests with: Sponsor

ONR resident rep. is ACO (Y/N): N
DOE supplemental sheet
GIT X

Administrative comments -
ISSUED TO REVISE DELIVERABLE SCHEDULE

GEORGIA INSTITUTE OF TECHNOLOGY
OFFICE OF CONTRACT ADMINISTRATION

NOTICE OF PROJECT CLOSEOUT

Closeout Notice Date 01/14/97

Project No. A-60-819

Center No. 10/31-6-T5406-0A0

Project Director KARAM R A

School/Lab NUCL. RES.

Sponsor US DEPT OF ENERGY/DOE OAK RIDGE - TN

Contract/Grant No. DE-FG05-92ER79146 Contract Entity GTRC

Prime Contract No.

Title UNIVERSITY REACTOR INSTRUMENTATION PROGRAM

Effective Completion Date 950630 (Performance) 950930 (Reports)

Closeout Actions Required:	Y/N	Date Submitted
Final Invoice or Copy of Final Invoice	Y	950721
Final Report of Inventions and/or Subcontracts	Y	
Government Property Inventory & Related Certificate	Y	
Classified Material Certificate	N	
Release and Assignment	N	
Other	N	

Comments

Subproject Under Main Project No.

Continues Project No.

Distribution Required:

Project Director	Y
Administrative Network Representative	Y
GTRI Accounting/Grants and Contracts	Y
Procurement/Supply Services	Y
Research Property Management	Y
Research Security Services	N
Reports Coordinator (OCA)	Y
GTRC	Y
Project File	Y
Other	N
	N

NOTE: Final Patent Questionnaire sent to PDPI.

U.S. DEPARTMENT OF ENERGY
NOTICE OF ENERGY RD&D PROJECT

A-60-819

1. DOE CONTRACT OR GRANT NUMBER DE-FG05-92ER79146 (A000)
☒ ^{grant} New Contract ☐ Continuation/Revision
2. A. NAME OF PERFORMING ORGANIZATION Georgia Tech Research Corporation
B. Department or Division Georgia Institute of Technology, Neely Nuclear Research Center
C. Street Address _____
City Atlanta State GA Zip 30332-0425
D. Type of Performing Organization (circle only one two-letter code)
CU-College, university, or trade school NP-Foundation or laboratory not operated for profit
EG-Electric or gas utility ST-Regional, state, or local government facility
FF-Federally funded RD&D centers TA-Trade or professional organization
or laboratory operated for US-Federal Agency
agency of US government XX-Other
IN-Private industry
3. PRINCIPAL OR SENIOR INVESTIGATOR
A. Last KARAM First RATIB MI A
B. Phone: Commercial 404-894-3620 FTS _____
4. DOE SPONSORING OFFICE OR DIVISION University Relations
5. TITLE OF PROJECT
Reactor Instruments Upgrade
6. DESCRIPTIVE SUMMARY (limit to 200 words)
Upgrade Instruments

7. RESPONDENT INFORMATION. List name and address of person filling out this form. Give telephone number and extension where person can be reached. Record the date this form was completed or updated. This information will not be published.

Last KARAM First RATIB MI A
Address 6133 Kings Mountain CT
City Stone Mountain State GA Zip 30087
Phone 894-3620 Date 10/12/92



Department of Energy

Field Office, Oak Ridge
P.O. Box 2001
Oak Ridge, Tennessee 37831—

Mr. R. Dennis Farmer
Georgia Tech Research Corporation
Georgia Institute of Technology
Atlanta, GA 30332

Dear Mr. Farmer:

DOE GRANT AWARD NO. DE-FG05-92ER79146 (A000)

Enclosed is the subject financial assistance document which has been awarded by the Department of Energy.

If the document is satisfactory, please complete Block 20 of the Notice of Financial Assistance Award (DOE F 4600.1) to reflect your acceptance and then return one of the two enclosed copies to this office by 9/27/92.

In addition, please return the following to this office with the financial assistance document:

DOE F 1430.22, Notice Of Energy RD&D Project (completed original).

The special terms and conditions attached to the financial assistance document include guidance on payment, approvals, submission of applicants, technical and financial reporting, property, patent and technical data rights, subgrants and contracts, etc. The forms that are required for submittal by the special

*The grant award was
returned already from CCA to Mr. Johnson.
Please complete & return the "Notice of Energy RD&D"*

Mr. R. Dennis Farmer

- 2 -

terms and conditions are enclosed. If you need additional information guidance, or forms, please contact the award administrator who is identified in Block 12 of the Notice of Financial Assistance Award (DOE F 4600.1).

Sincerely,

Melissa Y. Johnson
Contract Specialist
Special Acquisitions Branch
Procurement and Contracts Division

AD-422:MYJohnson

Enclosures:

1. Grant (2 copies)
2. Cover Sheet
3. DOE F 1430.22
4. DOE F 1332.16
5. DOE F 2050.11
6. SF 269A
7. SF 269
8. SF 270
9. SF 272

A 60-819
2



Georgia Institute of Technology

NEELY NUCLEAR RESEARCH CENTER
900 ATLANTIC DRIVE
ATLANTA, GEORGIA 30332-0425
USA

(404) 894-3600

April 21, 1993

U.S. Department of Energy
Office of University and Science
Education Programs - ER - 80
1000 Independence Ave., NW
Washington, DC 29585

Attention: Dr. Larry Baker, Program Manager

Subject: University Instrumentation Program for FY92

Dear Dr. Baker:

This is a progress report for the Reactor Instrumentation Upgrade for the Georgia Tech Research Reactor for FY92. The four items in the upgrade plan for 92 were:

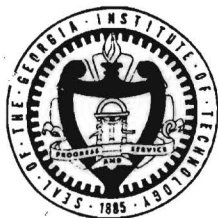
1. Emergency Command Center Upgrade. All parts for this upgrade have been ordered. Expected completion is June 30, 1993.
2. Security System Upgrade. This upgrade has been completed. It is working well.
3. Intrinsic Germanium Counting System. All parts for this system have been purchased. We are in the process of assembling and testing the entire system. Expected date of completion is 5/15/93.
4. Impellers for Coolant Pumps. These parts are currently being evaluated for performance and efficiency. It was found that rust accumulation on the impact bars in the heat exchanger caused a decrease in the flow of the coolant. When the rust was removed, normal flow was restored. Consequently, it may not have been due to deteriorating pump impellers. The evaluation process continues.

We appreciate DOE's support and assistance. All good wishes.

Sincerely,

R.A. Karam, Ph.D., Director
Neely Nuclear Research Center

RAK/ccg



Georgia Institute of Technology

NEELY NUCLEAR RESEARCH CENTER

900 ATLANTIC DRIVE

ATLANTA, GEORGIA 30332-0425

USA

(404) 894-3600

August 8, 1994

Mr. Larry L. Baker
Program Manager, ET-31
Office of University and Science Education Programs
Department of Energy
Washington, D. C. 20585

Dear Mr. Baker:

This is a progress report on DOE's Reactor Instrumentation Program. The funding for Georgia Tech's Research Reactor under this program last year was \$24,573.

A replacement for the startup channel fission chamber has been purchased and installed. The cost for this instrument is \$9,630.

Parts for the primary and secondary flow instruments have been ordered. Total money allocated for flow instruments is \$15,408.

We appreciate DOE's support to help keep reactor instrumentation reliably operational.

Sincerely,

R.A. Karam, Ph.D., Director
Neely Nuclear Research Center

RAK/ccg

Georgia Institute of Technology

190 Bobby Dodd Way

Atlanta, Georgia 30332-0259

USA

404•894•4624; 2629

Fax: 404•894•5519

October 20, 1993

Ms. Melissa Y. Johnson
Special Acquisitions Branch
Procurement and Contract Division
U. S. Department of Energy-Oak Ridge Field Office
P. O. Box 2001
Oak Ridge, TN 37831-8757

REFERENCE: Grant # DE-FG05-92ER79146

Dear Ms. Johnson,

Enclosed is the original plus two (2) copies of the Financial Status Report (SF-269A) for Grant No. DE-FG05-92ER79146 covering the period September 30, 1992 through September 29, 1993.

If you have questions or need additional information, please contact Geraldine Reese or me at (404) 894-2629.

Sincerely,

David V. Welch
Director

DVW/GMR/djt

Enclosures

c: Dr. R. A. Karam, NRC 0425
Ms. Wanda Simon, OCA/CSD 0420 ✓
File: A-60-819/T5406-0A0

RECEIVED

OCT 27 1993

OFFICE OF CONTRACT
ADMINISTRATION

FINANCIAL STATUS REPORT

(Short Form)

(Follow instructions on the back)

1. Federal Agency and Organizational Element to Which Report is Submitted U. S. DEPARTMENT OF ENERGY		2. Federal Grant or Other Identifying Number Assigned By Federal Agency DE-FG05-92ER79146		OMB Approval No. 0348-0039	Page 1	of 1 pages
3. Recipient Organization (Name and complete address, including ZIP code) GEORGIA TECH RESEARCH CORPORATION P. O. BOX 100117 ATLANTA, GA 30384						
4. Employer Identification Number 58-0603146		5. Recipient Account Number or Identifying Number A-60-819/T5406-0A0		6. Final Report <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		7. Basis <input checked="" type="checkbox"/> Cash <input type="checkbox"/> Accrual
8. Funding/Grant Period (See Instructions) From: (Month, Day, Year) September 30, 1992		To: (Month, Day, Year) September 29, 1994		9. Period Covered by this Report From: (Month, Day, Year) September 30, 1992		To: (Month, Day, Year) September 29, 1993
10. Transactions:				I Previously Reported	II This Period	III Cumulative
a. Total outlays				-0-	29,402.46	29,402.46
b. Recipient share of outlays				-0-	2,523.29	2,523.29
c. Federal share of outlays				-0-	26,879.17	26,879.17
d. Total unliquidated obligations						52.15
e. Recipient share of unliquidated obligations						-0-
f. Federal share of unliquidated obligations						52.15
g. Total Federal share (Sum of lines c and f)						26,931.32
h. Total Federal funds authorized for this funding period						26,941.00
i. Unobligated balance of Federal funds (Line h minus line g)						9.68
11. Indirect Expense a. Type of Rate (Place "X" in appropriate box) <input checked="" type="checkbox"/> Provisional <input type="checkbox"/> Predetermined <input type="checkbox"/> Final <input type="checkbox"/> Fixed b. Rate SEE BELOW c. Base MTDC d. Total Amount N/A e. Federal Share N/A						
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation. <div style="text-align: right;"> Questions pertaining to this report should be directed to: Geraldine Reese (404) 894-2629 </div> GEORGIA TECH'S FISCAL YEAR ENDS JUNE 30						
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.						
Typed or Printed Name and Title David V. Welch, Director, Grants and Contracts Accounting					Telephone (Area code, number and extension) (404) 894-2629	
Signature of Authorized Certifying Official					Date Report Submitted October 20, 1993	

NSN 7540-01-218-4387

269-201

Standard Form 269A (REV 4-88)
Prescribed by OMB Circulars A-102 and A-110

	<u>Direct Costs</u>	<u>Indirect Costs</u>
FY93 @ 44.9%	25,382.34	-0-
FY94 @ 37.0%	1,496.83	-0-

Georgia Institute of Technology

190 Bobby Dodd Way
Atlanta, Georgia 30332-0259
USA
404•894•4624; 2629
Fax: 404•894•5519

July 21, 1995

Mr. Maurice Davis
Special Acquisitions Branch
Procurement and Contract Division
U. S. Department of Energy-Oak Ridge Field Office
P. O. Box 2001
Oak Ridge, TN 37831-8757

RE: Grant No. DE-FG05-92ER79146

Dear Mr. Davis,

Enclosed is the original plus two (2) copies of the Financial Status Report (SF-269A) for Grant No. DE-FG05-92ER79146 covering the period October 01, 1994 through June 30, 1995.

If you have questions or need additional information, please contact Geraldine Reese or me at (404) 894-2629.

Sincerely,

David V. Welch
Director

DVW/GMR/vdh

Enclosures

c: Dr. R. A. Karam, NRC 0425
Ms. Wanda Simon, OCA/CSD 0420
File: A-60-819/T5406-OA0

FINANCIAL STATUS REPORT

(Short Form)

(Follow instructions on the back)

1. Federal Agency and Organizational Element to Which Report is Submitted U. S. DEPARTMENT OF ENERGY		2. Federal Grant or Other Identifying Number Assigned By Federal Agency DE-FG05-92ER79146		OMB Approval No. 0348-0039	Page 1	of 1 pages
3. Recipient Organization (Name and complete address, including ZIP code) GEORGIA TECH RESEARCH CORPORATION P. O. BOX 100117 ATLANTA, GA 30384						
4. Employer Identification Number 58-0603146		5. Recipient Account Number or Identifying Number A-60-819/T5406-0A0		6. Final Report <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		7. Basis <input type="checkbox"/> Cash <input type="checkbox"/> Accrual
8. Funding/Grant Period (See Instructions) From: (Month, Day, Year) September 30, 1992		To: (Month, Day, Year) June 30, 1995		9. Period Covered by this Report From: (Month, Day, Year) October 01, 1994		To: (Month, Day, Year) June 30, 1995
10. Transactions:				I Previously Reported	II This Period	III Cumulative
a. Total outlays				47,370.48	7,135.85	54,506.33
b. Recipient share of outlays				2,523.29	469.71	2,993.00
c. Federal share of outlays				44,847.19	6,666.14	51,513.33
d. Total unliquidated obligations				-	-	-
e. Recipient share of unliquidated obligations				-	-	-
f. Federal share of unliquidated obligations				-	-	-
g. Total Federal share (Sum of lines c and f)				-	-	51,513.33
h. Total Federal funds authorized for this funding period				-	-	51,514.00
i. Unobligated balance of Federal funds (Line h minus line g)				-	-	.67
11. Indirect Expense						
a. Type of Rate (Place "X" in appropriate box) <input checked="" type="checkbox"/> Provisional <input checked="" type="checkbox"/> Predetermined <input type="checkbox"/> Final <input type="checkbox"/> Fixed						
b. Rate SEE BELOW		c. Base MTDC		d. Total Amount N/A		e. Federal Share N/A
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.						
		<u>Direct Costs</u>		<u>Indirect Costs</u>		
FY 93 @ 44.9%		25,382.34		-0-		
FY 94 @ 37.0%		1,548.98		-0-		
FY 95 @ 40.0%		24,582.01		-0-		
13. Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.						
Typed or Printed Name and Title David V. Welch, Director, Grants and Contracts Accounting				Telephone (Area code, number and extension) (404) 894-2629		
Signature of Authorized Certifying Official _____				Date Report Submitted July 21, 1995		